

Title (en)

METHOD AND APPARATUS FOR ACCELERATING BORDER GATEWAY PROTOCOL CONVERGENCE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESCHLEUNIGUNG VON BORDER-GATEWAY-PROTOKOLL-KONVERGENZ

Title (fr)

PROCEDE ET DISPOSITIF POUR L ACCELERATION D UNE CONVERGENCE DE PROTOCOLE BGP

Publication

EP 1869832 A1 20071226 (EN)

Application

EP 06739074 A 20060321

Priority

- US 2006010141 W 20060321
- US 10641405 A 20050413

Abstract (en)

[origin: US2006233181A1] A method and apparatus are disclosed for accelerating Border Gateway Protocol (BGP) route convergence in an autonomous system. A virtual link identifier is assigned to each link of a set of communication links that are established between a BGP host and one or more network elements in one or more networks. For a particular link of the set of communication links, one or more routes that are reachable on the link are determined. The BGP host stores an association of the one or more routes with a BGP identifier of the BGP host and the virtual link identifier that is assigned to the particular link. The BGP host advertises the one or more routes to a BGP peer in a message, where the message includes the BGP identifier and the virtual link identifier.

IPC 8 full level

H04L 12/28 (2006.01); **H04L 12/56** (2006.01)

CPC (source: EP US)

H04L 45/02 (2013.01 - US); **H04L 45/033** (2022.05 - EP); **H04L 45/04** (2013.01 - EP US); **H04L 45/28** (2013.01 - EP US);
H04L 45/54 (2013.01 - EP US)

Cited by

CN102891799A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006233181 A1 20061019; **US 7532631 B2 20090512**; CN 100559770 C 20091111; CN 101133596 A 20080227; EP 1869832 A1 20071226;
EP 1869832 A4 20101124; WO 2006113026 A1 20061026

DOCDB simple family (application)

US 10641405 A 20050413; CN 200680006778 A 20060321; EP 06739074 A 20060321; US 2006010141 W 20060321